

Title	Asphalt Concrete and Bitumen Senior Specialist
Vacancy Number	MoPW/SRTAP/CMTL/1400-82
Ministry	Ministry of Public Works
Organization	Directorate of Construction Material Testing Laboratory
Project	Sustainable Reform & Technical Assistance Project
Duty Station	Kabul + Travel
Duration	1 Year (with possibility of extension)
No of Jobs	1
Nationality	Afghan
Sex	Male/Female
Salary Range	According to NTA Salary Scale (Grade-B)
Announcing Date	31/May/2021
Closing Date	11/June/2021
Job Type	Engineering
Shift	Full Time
Job Status	Sourcing
Experience	Specific 6 year, General 10 years

Background:

The Ministry of Public Works (MoPW) is responsible for the planning, design, procurement, implementation, monitoring, and maintenance of the various transportation infrastructure projects such as roads, bridges, and its relevant drainage and retaining/protection structures in the government of the Islamic Republic of Afghanistan.

Laboratory's Department of MoPW is responsible for testing of all road and bridge construction materials such as: soil, aggregate, cement, bitumen, asphalt concrete and other destructive and non-destructive tests on fresh and hardened concrete. Laboratory's department is also responsible for geotechnical investigation of for roads/highways, bridges, and related structures. Besides these, Laboratory's department, MoPW is responsible for soil sample collection from various sites and conducting both simple and advanced tests on the collected samples. Moreover, Laboratory's department, MoPW is committed to provide proper geotechnical, geo investigation data and also supervise the process of testing, check, and review the existing reports. Laboratory's department of MoPW witness all quality tests, check, and review of all mix designs provided for asphaltic pavement layers.

Scope of Work/Job Summary:

The Laboratory's Department, MoPW is currently looking for a road Asphalt Concrete Senior Specialist to join the Lab Department. He/she will be responsible for conducting and supervising of all quality testing of aggregates and bitumen and provide comments and recommendations on it. Tasks would include preparation, review and control JMF of mix design for asphalt concrete. Will also play a key role on managing the asphalt

concrete and bitumen department, developing leadership and professional development of the team members. More specifically:

Duties & Responsibilities:

- Supervise the staff working in a laboratory, as well as oversee that equipment is functional and maintained, and procedures occur in compliance with regulations and legislation.
- Supervising the Contractor's compliance with material specifications and testing;
- Providing input to the design team to source suitable materials;
- Engineering mix design of flexible Asphaltic Concrete (AC) pavements,
- Establish the schedule, methods and procedures for the construction supervision of all pavement works.
- Stipulate Material Testing Procedures and Specifications.
- During the supervision stage the Asphalt concrete and Bitumen Senior Specialist will be responsible for ensuring that the field teams are aware of any special constructions requirements;
- Responsible for asphalt pavement construction materials problems;
- Provide an economic and effective framework to meet the requirements of quality standards and system management.
- Review, comments, recommendations and approve the contractor's proposed pavement materials and mix design for asphalt pavement; and managing the asphalt concrete section team members and personal;
- Preparing safety plans and regulations for the asphalt concrete section and assisting them to implement these plans accordingly;
- Preparing plans and regulations for the mix design and tests to be conducted, on the asphalt concrete using AASHTO, ASTM, MS2 codes and standards;
- Training the asphalt concrete section engineers and technicians on bitumen, aggregate, and asphalt concrete mix design and tests; training the personal to calculate the test results and document it;
- Providing vital and scientific consultation on all relevant asphalt concrete matters;
- Ensuring all lab machinery and equipment are calibrated and if the calibration dates are expired, provide assistance and follow up the calibration;
- Check and review the laboratory and field tests carried out by the third party labs;
- Participate in and conduct researches related to different zones of the country;
- Monitoring construction procedures, approval of method statements, inspection of material sources, equipment, quarries, stock piles, crusher plants, batching plants, asphalt plants.
- Any other task assigned by the relevant head/supervisor.

Skills & Competencies:

- Experience with the asphalt concrete and bitumen engineering, asphalt concrete mix design, construction and condition assessment of asphalt concrete highways.
- Extensive knowledge of asphalt concrete and bitumen construction methods, materials, and specifications.
- Well knowledge of ASTM and AASHTO codes and standards.
- Ability to overcome challenges and work in difficult work environments/conditions (especially in the field).
- High degree of personal initiative and willingness to accept responsibility for poor data collection.
- Knowledge of asphalt concrete and bitumen engineering and conducting relevant work supervision and analysis.

Job Requirements:

- University Degree in Civil or Transportation Engineering, Masters or higher degree will be preferred.
- Minimum 6 years of work-related experience, including asphalt concrete and bitumen engineering mix design, and 10 years general experience in road engineering, highway management and construction and condition assessment.
- Demonstrated competence in mix design of asphalt concrete, and road pavements using internationally approved design methods and software.
- Proven success in managing and executing asphalt concrete project engineering investigations and research, conducting evaluations and analytical work, and adhering to project objectives.
- Having strong computer skill with MS Word, Excel, Power Point.
- Proven ability to establish and maintain effective working relationships with colleagues and co-workers and provide technical leadership to staff.
- Good knowledge in writing reports and proficiency in written and verbal English.
- Ability and willingness to travel (short term) within provinces all over Afghanistan.

Required Documents:

- CV with an application form for the relevant position.
- Copy of verified Degree by the Ministry of Higher Education.
- Copy of verified Afghan ID Card (Tazkera) or Passport copy.
- Copy of verified last Posting Contract.
- Copy of other documents seems to be necessary.

Submission Guideline:

Interested candidates are requested to forward their applications, detailed CV and other required documents to **jobs.mopw1400@yahoo.com** indicate the vacancy number (**MoPW/SRTAP/CMTL/1400-82**) and the post title (**Asphalt Concrete and Bitumen Senior Specialist**) in the subject line when applying by email to the Human Resource Unit – Sustainable Reform and Technical Assistance Project of Ministry of Public Works (MoPW) at Kabul, Afghanistan.

Office Add: SRTAP Office, Kabul Jalalabad Road, In front of KMTC, Ministry of Public Work, Kabul Afghanistan.

Only short-listed candidates will be notified